

**BCA****Semester 1**

S. No.	Course Category	Course Code	Course Name	L	T	P	Credits
1	Multidisciplinary	26BCAT101	Applied Mathematics	3	0	0	3
2	Major Core	26BCAC101	Programming for Problem Solving using C	3	0	2	4
3	Major Core	26BCAC102	Fundamentals of Computers and IT	3	0	2	4
4	Major Core	26BCAC103	Cyber Security Essentials	3	0	2	4
5	Major Core	26BCAC104	Introduction to AI	3	0	0	3
6	Ability Enhancement Course	26BCAA101	Technical Communication	2	0	0	2
7	Skill Enhancement Course	26BCAS101	Foundation in Quantitative Aptitude	0	0	2	1
<b>Total</b>				17	0	8	21

**Semester 2**

S. No.	Course Category	Course Code	Course Name	L	T	P	Credits
1	Major Core	26BCAC201	Discrete Mathematics	3	0	0	3
2	Major Core	26BCAC202	Digital Electronics	3	0	0	3
3	Major Core	26BCAC203	Data Structure Using 'C'	3	0	2	4
4	Major Core	26BCAC204	Operating System & Linux Programming	3	0	2	4
5	Major Core	26BCAC205	Python Programming	3	0	2	4
6	Ability Enhancement Course	26BCAA201	Environment Studies	2	0	0	2
7	Skill Enhancement Course	26BCAS201	Statistical Analysis using Excel	0	0	2	1
8	Skill Enhancement Course	26BCAS202	Essentials of Soft skills	0	0	2	1
<b>Total</b>				17	0	10	22

**Semester 3**

S. No	Course Category	Course Code	Course Name	L	T	P	Credits
1	Major Core	26BCAC301	Database Management System	3	0	2	4
3	Major Core	26BCAC302	Web Technology	3	0	2	4
2	Major Core	26BCAC303	Software Engineering	3	0	0	3
5	Minor	26BCAM30*	Minor 1	3	0	0	3
6	Ability Enhancement Course	26BCAA302	Principles of Management & Organizational Behavior	2	0	0	2
7	Open Elective	26BCAE301	Open Elective offered by another Department/School /Program	2	0	0	2
8	Value Added Course	26BCAA301	Human Values and Ethics	2	0	0	2
<b>Total</b>				18	0	4	20

Semester 4							
S. No	Course Category	Course Code	Course Name	L	T	P	Credits
1	Major Core	26BCAC401	Object Oriented Programming with Java	3	0	2	4
3	Major Core	26BCAC402	Computer Networks	3	0	0	3
3	Major Core	26BCAC403	Cloud Computing	3	0	2	4
5	Minor	26BCAM40*	Minor 2	3	0	0	3
6	Open Elective	26BCAE40*	Open Elective offered by other Department/School /programme	3	0	0	3
7	Skill Enhancement Course	26BCAS401	Digital & Social Media Marketing	2	0	0	2
8	Skill Enhancement Course	26BCAS402	Campus to Career	0	0	2	1
9	Project	26BCAP401	Minor Project	0	0	4	2
<b>Total</b>				17	0	10	22
Semester 5							
S. No	Course Category	Course Code	Course Name	L	T	P	Credits
1	Major Core	26BCAC501	UI/UX Design	3	0	2	4
2	Major Core	26BCAC502	Augmented & Virtual Reality	3	0	2	4
5	Ability Enhancement Course	26BCAA501	Indian Knowledge System	1	0	0	1
6	Minor	26BCAM501	MOOC	3	0	0	3
7	Skill Enhancement Course	26BCAI501	Summer Internship Assessment	0	0	0	4
8	Skill Enhancement Course	26BCAS501	Advance Quantitative Aptitude	0	0	2	1
<b>Total</b>				10	0	6	17
Semester 6							
S. No	Course Category	Course Code	Course Name	L	T	P	Credits
1	Major Core	26BCAC601	Data Ware Housing & Data Mining	3	0	2	4
2	Major Core	26BCAC602	Android Application Development	2	0	2	3
4	Minor	26BCAM60*	Minor 4	3	0	0	3
5	Project	26BCAP601	Major Project	0	0	8	8
<b>Total</b>				8	0	12	18
Semester 7 for '4 Years BCA with Honors'							
S. No	Course Category	Course Code	Course Name	L	T	P	Credits
1	Major Core	26BCAC701	Full Stack Web Development	3	0	2	4
2	Major Core	26BCAC702	Data Analytics and Visualizations using Python	3	0	2	4
3	Major Core	26BCAM701	Minor – 5	3	0	2	4
4	Minor	26BCAT702	MOOC (SWAYAM)	0	0	0	3
5	Project	26BCAP701	Capstone Project – I	0	0	0	6
<b>Total</b>				9	0	6	21

### Semester 8 for '4 Years BCA with Honors'

S. No	Course Category	Course Code	Course Name	L	T	P	Credits
1	Major Core	26BCAC801	Software Project Management	3	0	2	4
2	Minor	26BCAT802	MOOC (SWAYAM)	2	0	0	3
3	Project	26BCAP801	Capstone Project - II	0	0	0	12
<b>Total</b>				5	0	2	19

### Minors

Semester	Course Code	Course Name
Semester 3(Minor -1)	26BCAM301	Cryptography & Network Security
	26BCAM302	Introduction to Data Science
	26BCAM303	E-Commerce
	26BCAM304	Digital economy and Financial Literacy
Semester 4(Minor-2)	26BCAM401	Blockchain Technologies
	26BCAM402	Introduction to Git & Github
	26BCAM403	IT Acts & Cyber Laws
	26BCAM404	Web Development with Python and Django
	26BCAM405	Income Tax and Financial systems for IT Professionals
Semester 5 (Minor-4)	26BCAM501	MOOC
Semester 6 (Minor-3)	26BCAM601	Web Security
	26BCAM602	ERP
	26BCAM603	Entrepreneurship Development & Startup Management
	26BCAM604	Multimedia systems
Semester 7(Minor - 5)	26BCAM701	Digital Image Processing
	26BCAM702	Mobile Application Development
	26BCAM703	Data Mining and Analytics
	26BCAM704	Data Analysis with Power BI
Semester 8 (MOOC)	26BCAM801	MOOC SWAYAM

### Credit Details

S. No.	Course Category	Credit [3 Years]	Credit [4 Years]
1	Ability Enhancement Course	7	7
2	Major Core	70	86

3	Minor	12	18
4	Multidisciplinary	3	3
5	Open Elective	5	5
6	Project	10	28
7	Skill Enhancement Course	11	11
8	Value Added	2	2
<b>Total</b>		<b>120</b>	<b>160</b>

Year	Semester	Total Credits	Total Credits(Year-wise)
I	Semester 1	21	43
	Semester 2	22	
II	Semester 3	20	42
	Semester 4	22	
III	Semester 5	17	35
	Semester 6	18	
<b>Total Credit</b>		<b>120</b>	
IV	Semester 5	21	40
	Semester 6	19	
<b>Total Credit</b>		<b>160</b>	